

ABSTRACT

POLYAMIDE-BASED TRANSPARENT COMPOSITION

Company known as : ATOFINA

4 & 8 Cours Michelet

La Défense 10

92800 PUTEAUX - Hauts-de-Seine

Authorized agent : Henry NÉEL

Inventors :

Thibaut MONTANARI

Christelle RECOQUILLÉ

The invention relates to a transparent composition comprising, by weight, the total being 100%:

- 5 to 40% of an amorphous polyamide (B) which results essentially from the condensation of at least one optionally cycloaliphatic diamine, of at least one aromatic diacid and optionally of at least one monomer chosen from:
 - α,ω -aminocarboxylic acids,
 - aliphatic diacids,
 - aliphatic diamines,
- 0 to 40% of a supple polyamide (C) chosen from copolymers containing polyamide blocks and polyether blocks and copolyamides,
- 0 to 20% of a compatibilizer (D) for (A) and (B),
- (C)+(D) is between 2% and 50%,
- with the condition that (B)+(C)+(D) is not less than 30%,

- the difference to 100% being a semi-crystalline polyamide (A).

The invention also relates to the articles obtained, such as plates, films, sheets, tubes and profiles, to the articles obtained by injection-moulding and in particular to the films and sheets which are then bonded onto skis.

The invention also relates to the above articles decorated, for example, by sublimation, and coated with a transparent protective layer consisting of the composition of the invention.